

| | | | |
|----------------------------|--|--|--------------------------|
| Form PTO 1449 Rev. 7-80 | U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary) | Atty. Docket No. Mo6431/LeA 34,730 | Serial No. 09/905,657 |
| | | Applicant Christa Lechelt-Kunze et al | Group 1652 |
| | | Filing Date July 13, 2001 | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | SEARCH DATE APPRO- PRIATE |
|---------------------|-----------------|------|------|-------|----------|---------------------------------|
| AA | | | | | | |
| AB | | | | | | |
| AC | | | | | | |
| AD | | | | | | |
| AE | | | | | | |
| AF | | | | | | |
| AG | | | | | | |
| AH | | | | | | |
| AI | | | | | | |
| AJ | | | | | | |
| AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|----|-----------------|----------|--------------|-------|----------|-------------|
| | | | | | | Yes No* |
| AL | 95/15387 | 06/08/95 | World Patent | | | |
| AM | 96/13582 | 05/09/96 | World Patent | | | |
| AN | 00/08172 | 02/17/00 | World Patent | | | |
| AO | 98/46766 | 10/22/98 | World Patent | | | |
| AP | 98/54954 | 12/10/98 | World Patent | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|-----------|--|
| AR | The Plant Cell 11, (month unavailable), 1999, pages 2187-2201, A. Yephremov et al, |
| AS | "Characterization of the <i>FIDDLEHEAD</i> Gene of Arabidopsis Reveals a Line Between Adhesion Response and Cell Differentiation in the Epidermis" BioTechniques 8, (month unavailable), 1990, Pages 148-149, C. Puissant et al, "An Improvement of the Single-Step Method of the RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction" |
| AT | Developmental Biology, 152, (month unavailable), 1992, pages 383-392, S. J. Lolle et al, |
| | "Fiddlehead: An Arabidopsis Mutant Constitutively Expressing an Organ Fusion Program That Involves Interactions Between Epidermal Cells" |
| EXAMINER | DATE CONSIDERED |
| T. Saidha | 5/15/03 |

EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

- Neither English Language Equivalent nor an English Language Translation is available.

| | | | |
|----------------------------|--|--|--------------------------|
| Form PTO 1449 Rev. 7-80 | U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary) | Atty. Docket No. Mo6431/LeA 34,730 | Serial No. 09/905,657 |
| | | Applicant Christa Lechelt-Kunze et al | |
| | | Filing Date July 13, 2001 | Group |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|-----------------|------|------|-------|----------|-------------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|------|---------|-------|----------|-------------|-----|
| | | | | | | | Yes | No* |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|----|--|
| 3/8 | AR | PNAS 97(3), (month unavailable), 2000, pages 1311-1316, R. E. Pruitt et al, "FIDDLEHEAD", a Gene Required to Suppress Epidermal Cell Interactions in <i>Arabidopsis</i> , Encodes a Putative Lipid Biosynthetic Enzyme" |
| | AS | Gene, 156, (month unavailable) 1995, pages 119-122, D. Mumberg et al, "Yeast Vectors for the Controlled Expression of Heterologous Proteins in Different Genetic Backgrounds" |
| 5/6 | AT | J. Plant Physiol. 144, (month unavailable) 1994, pages 376-384, C. Möllers et al, "Screening Herbicide Effects on Lipid Metabolism of Storage Lipids by <i>In Vitro</i> Culture of Microspore-Derived Embryoids of <i>Brassica Napus</i> " |

| | |
|-----------------------|----------------------------|
| EXAMINER T. Soudka | DATE CONSIDERED 5/15/03 |
|-----------------------|----------------------------|

EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

- Neither English Language Equivalent nor an English Language Translation is available.

| | | | |
|----------------------------|--|--|--------------------------|
| Form PTO 1449 Rev. 7-80 | U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary) | Atty. Docket No. Mo6431/LeA 34,730 | Serial No. 09/905,657 |
| | | Applicant Christa Lechelt-Kunze et al | |
| | | Filing Date July 13, 2001 | Group |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILED DATE IF APPROPRIATE |
|---------------------|-----------------|------|------|-------|----------|------------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | AD | | | | | |
| | AE | | | | | |
| | AF | | | | | |
| | AG | | | | | |
| | AH | | | | | |
| | AI | | | | | |
| | AJ | | | | | |
| | AK | | | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|-----------------|------|---------|-------|----------|-------------|-----|
| | | | | | | Yes | No* |
| AL | | | | | | | |
| AM | | | | | | | |
| AN | | | | | | | |
| AO | | | | | | | |
| AP | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|-----------------|--|
| AR | The Plant journal 2(3), (month unavailable) 1992, pages 417-422, M. Minet et al, "Complementation of <i>Saccharomyces Cerevisiae</i> Auxotrophic Mutants by <i>Arabidopsis Thaliana</i> cDNAs" |
| AS | The Plant Journal 12(1), (month unavailable) 1997, pages 121-131, A. A. Millar et al, "Very-Long-Chain Fatty Acid Biosynthesis is Controlled Through the Expression and Specificity of the Condensing Enzyme" |
| AT | Z. Naturforsch., 53c, (month unavailable) 1998, pages 1004-1011, B. Matthes et al, "Chloracetamide Mode of Action II: Inhibition of Very Long Chain Fatty Acid Synthesis in Higher Plants" |
| EXAMINER | T. Scudica |
| DATE CONSIDERED | 5/15/03 |

EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

- Neither English Language Equivalent nor an English Language Translation is available.

| <div style="text-align: center;">EXAMINER INITIALS</div> | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|--|----|-----------------|------|------|-------|----------|-------------------------------|
| | CJ | | | | | | |
| | DZ | | | | | | |
| | EY | | | | | | |
| | FA | | | | | | |
| | FB | | | | | | |
| | FC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|----|-----------------|------|---------|-------|----------|-------------|-----|
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | Yes | No* |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

| | |
|----|---|
| AR | Trends in Plant Science 5, (month unavailable) 2000, pages 95-101, A. A. Millar et al, "All Fatty Acids Are Not Equal: Discrimination In Plant Membrane Lipids" |
| AS | Spektrum Akademischer Verlag, Heidelberg, Berlin, (month unavailable) 1998, F. Lottspeich et al (editors), "Bioanalytik" |
| AT | Pest Management Science 56, (month unavailable) 2000, pages 497-508, P. Böger et al, "Towards the Primary Target of Chloroacetamides - New Findings Pave the Way" |

| | | | |
|---|-----------|-----------------|---------|
| EXAMINER | T. Saadha | DATE CONSIDERED | 5/15/03 |
| EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | |

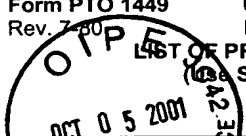
- Neither English Language Equivalent nor an English Language Translation is available.

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPLICABLE |
|---------------------|-----------------|------|------|-------|----------|------------------------------|
| AA | | | | | | |
| AB | | | | | | |
| AC | | | | | | |
| AD | | | | | | |
| AE | | | | | | |
| AF | | | | | | |
| AG | | | | | | |
| AH | | | | | | |
| AI | | | | | | |
| AJ | | | | | | |
| AK | | | | | | |

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|------|---------|-------|----------|-------------|-----|
| | | | | | | | Yes | No* |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

| | | |
|---|--|--|
| J/6 | AR ? | Nucl. Acids Res. 12(22), (month unavailable) 1984, M. Bevan, "Binary Agrobacterium Vectors for Plant Transformation" |
| | AS i | Arabidopsis Protocols, edited by Martinez-Zapater J. M. und Salinas, J., (month unavailable) 1998, pages 259-266, Humana Press ISBN 0-89603-391-0 |
| J/6 | AT + | Nucleic Acids Research, vol. 25, no. 17, (month unavailable) 1997, pages 3389-3402, S. F. Altschul et al, "Gapped BLAST and PSI-BLAST: A New Generation of Protein Database Search Programs" |
| | EXAMINER <u>T. Saidha</u> DATE CONSIDERED <u>5/15/03</u> | |
| EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |

- Neither English Language Equivalent nor an English Language Translation is available.

| | | | |
|--|--|--|--------------------------|
| Form PTO 1449 Rev. 7-80 | U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (See Several Sheets If Necessary) | Atty. Docket No. Mo6431/LeA 34,730 | Serial No. 09/905,657 |
|  | | Applicant Christa Lechelt-Kunze et al | Group |
| | | Filing Date July 13, 2001 | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL & TRADEMARK OFFICE | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILED DATE IF APPROPRIATE |
|---|-----------------|------|------|-------|----------|------------------------------|
| | AA | | | | | |
| | AB | | | | | |
| | AC | | | | | |
| | AD | | | | | |
| | AE | | | | | |
| | AF | | | | | |
| | AG | | | | | |
| | AH | | | | | |
| | AI | | | | | |
| | AJ | | | | | |
| | AK | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|------|---------|-------|----------|-------------|-----|
| | | | | | | | Yes | No* |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|----|--|
| 7/6 | AR | Phytochemistry 30(5), (month unavailable) 1991, pages 1445-1447, K. O. Abulnaja et al, "Thiocarbamate Herbicides Inhibit Fatty Acid Elongation in a Variety of Monocotyledons" |
| 7/6 | AS | Symp. Soc. Exp. Biol. 11, (month unavailable) 1957, pages 118-131, F. Skoog et al, "Chemical Regeneration of Growth and Organ Formation in Plant Tissue Cultures in Vitro" |
| | AT | |

| | |
|---|-----------------------------------|
| EXAMINER <i>T. Saidha</i> | DATE CONSIDERED <i>5/15/03</i> |
| EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

- Neither English Language Equivalent nor an English Language Translation is available.

Form PTO 1449

Rev. 7-90

U.S. Department of Commerce

Patent and Trademark Office

LIST OF PRIOR ART CITED BY APPLICANT

(Use Several Sheets If Necessary)

Atty. Docket No.

Mo6431/LeA 34,730

Serial No.

09/905,657

Applicant

Christa Lechelt-Kunze et al

Filing Date

July 13, 2001

Group

1643

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|------|------|-------|----------|------------------------------------|
| AA | | | | | | |
| AB | | | | | | |
| AC | | | | | | |
| AD | | | | | | |
| AE | | | | | | |
| AF | | | | | | |
| AG | | | | | | |
| AH | | | | | | |
| AI | | | | | | |
| AJ | | | | | | |
| AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|-----------------|------|---------|-------|----------|-------------|
| | | | | | Yes No* |
| AL | | | | | |
| AM | | | | | |
| AN | | | | | |
| AO | | | | | |
| AP | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AR | Pesticide Biochemistry & Physiology, (date unavailable), pages 1-7, H. Takahashi et al, |
| AS | "Inhibition of Very-Long-Chain Fatty Acid Biosynthesis by 2-Chloro-N-(3-methoxy-2-thenyl)-2',6'-dimethylacetanilide, Thenylchlor, and Its Analogs" |
| AT | The Plant Cell, vol. 12, May, 2000, pages 721-737, P. Sieber et al, "Transgenic Arabidopsis Plants Expressing a Fungal Cutinase Show Alterations in the Structure and Properties of the Cuticle and Postgenital Organ Fusions" |

EXAMINER

T. Sawdha

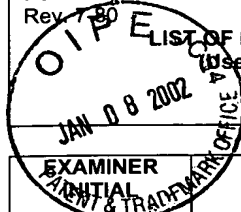
DATE CONSIDERED

5/15/03

EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

- Neither English Language Equivalent nor an English Language Translation is available.

RECEIVED

JAN 15 2002
TECH CENTER 1600/2900

#9

| | | |
|--|--|------------------------------|
| Form PTO 1449 Rev. 7-80 U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary) | Atty. Docket No. Mo-6431 / LeA 34,730 | Serial No. 09/905,657 |
| JAN 27 2003 U.S. PATENT AND TRADEMARK OFFICE | Applicant Christa Lechelt-Kunze et al | Filing Date July 13, 2001 |
| | Group 1638 | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|------|------|-------|----------|----------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

RECEIVED

JAN 31 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|----------|---------|-------|----------|-------------|-----|
| | | | | | | | Yes | No* |
| | AL | 98/54954 | 12/10/98 | World | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|---|----|-------------------------|---|
| | AR | J/K | Schmalfuss Jochen et al: "Inhibition of acyl-CoA elongation by chloroacetamide herbicides in microsomes from leek seedlings." Pesticide Biochemistry and Physiology, Bd. 67, Nr. 1, Mai 2000 (2000-05), Seiten 25-35, XP001097160 ISSN: 0048-3575 Seite 27, rechhte Spalte, letzter Absatz -Seite 31, rechte Spalte, Absatz 1 |
| | AS | | Abulnaja K O et al: "Inhibition of Fatty Acid Elongation Provides A Basis for the Action of the Herbicide Ethofumesate on Suface Wax Formation" Phytochemistry (Oxford), Bd. 31, Nr. 4, 1992, Seiten 1155-1159, XP008006655 ISSN: 0031-9422 Seite 1155, rechte Spalte, Absatz 1 |
| | AT | J/K | Bazoobandi M et al: "Analysis of flufenacet in soil, wheat grain and straw by gas chromatography" Journal of Chromatography, Elsevier Science Publishers B.V. Amsterdam, NL, Bd. 886, Nr. 1-2, Juli 2000 (2000-07), Seiten 319-322, XP004205994 ISSN: 0021-9673 Seite 319, linke Spalte, Absatz 1 |
| EXAMINER | | T. Saidha | |
| | | DATE CONSIDERED 5/15/03 | |
| EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | |

* Neither English Language Equivalent nor an English Language Translation is available.